Application Number FIRM & TRADE **TRANSMITTAL** Filing Date **FORM** First Named Inventor (to be used for all correspondence after initial filing) Art Unit **Examiner Name** 

	1635 JPW 1 PTO/SB/21 (04-04)
09/432,503	
November 2, 1999	
Cech, Thomas R.	
1635	

Jon E. Angell

Total Number of Pages in This Sub	omission 9	Attorney Docket Number	015389-0026	11US			
	ENC	LOSURES (Check all that a	apply)				
Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/declarat  Extension of Time Reques  Express Abandonment Re  Information Disclosure Stat  Certified Copy of Priority Document(s)  Response to Missing Parts Incomplete Application  Response to Missing Parts Incomplete Application	tion(s)  st equest atement Rema	Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application  Power of Attorney, Revocation  Change of Correspondence Addres  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)	Aft to to of App	Technolopeal Cor Appeals Cor Appeal Cor Appeal Not Oprietary atus Lett her Encle antify bel cation ostcard	osure(s) (please		
	SIGNATURE C	OF APPLICANT, ATTORNE	Y, OR AGEN	T	· · · · · · · · · · · · · · · · · · ·		
Firm Townsend	and Townsend and	d Crew LLP					
Individual name Scott L. Au	sennus	Reg.	No. 42,271				
Signature	turen	edil					
Date October 5,	2004						
	CERTIFICATE OF TRANSMISSION/MAILING						
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop Amendment, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.							
Typed or printed name Jan	net L. Newmaker						
Signature 2	Correct L. Dec	umaber		Date	October 5, 2004		

Attorney Docket Number

PTO/SB/17 (10-03) **FEE TRANSMITTAL** Complete if Known 09/432,503 **Application Number** for FY 2004 November 2, 1999 Filing Date Effective 10/01/2003. Patent fees are subject to annual revision. Cech, Thomas R. First Named Inventor Applicant claims small entity status. See 37 CFR 1.27 Examiner Name Jon E. Angell 1635 Art Unit TOTAL AMOUNT OF PAYMENT (\$) 015389-002611US Attorney Docket No.

	METHOD OF PA	AYMENT (check all that apply)					FEE C	ALCULATION (continued)	
Check	Credit Card	Money Order Other None		3. ADD	ITIONAL I	EES			
Deposit A	_	,		Large	Entity	Small	Entity		
Deposit Account	20-143	· ·	]	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Number				1051	130	2051	65	Surcharge - late filing fee or oath	
				1052	50	2052	25	Surcharge - late provisional filing fee or	
Deposit Account	Townsond	and Townsend and Crew LLP						cover sheet.	
Name	Townsend	and Townsend and Crew LLP		1053	130	1053	130	Non-English specification	
The Director is	s authorized to: (c	check all that apply)	_	1812	2,520	1812	2,520	For filing a request for reexamination	
Charge fee	e(s) indicated belov	v Credit any overpayments		1804	920*	1804	920°	Requesting publication of SIR prior to Examiner action	
		or any underpayment of fee(s)		1805	1,840*	1805	1,840*	Requesting publication of SIR after	
Charge fee	e(s) indicated belov	v, except for the filing fee						Examiner action	
to the above-id	entified deposit acc	count.		1251	110	2251	55	Extension for reply within first month	
	FEE	CALCULATION		1252	420	2252	210	Extension for reply within second month	
1. BASIC	FILING FEE			1253	950	2253	475	Extension for reply within third month	$\vdash$
Large Entity	Small Entity			1254	1,480	2254	740	Extension for reply within fourth month	$\vdash$
Fee Fee	Fee Fee	Fee Description Fee Pa	id	,_0,	1, 100				
Code (\$)	Code (\$)			1255	2,010	2255	1,005	Extension for reply within fifth month	
1001 770	2001 385	Utility filing fee		1401	330	2401	165	Notice of Appeal	
1002 340	2002 170	Design filing fee		1402	330	2402	165	Filing a brief in support of an appeal	
1003 530 1004 770	2003 265 2004 385	Plant filing fee  Reissue filing fee	_	1403	290	2403	145	Request for oral hearing	
1004 770	2004 383	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	SUBTOT	TAL (1) (\$)		1452	110	2452	55	Petition to revive – unavoidable	
	305101	(1)		1453	1,330	2453	665	Petition to revive – unintentional	
2. EXTRA C	CLAIM FEES F	OR UTILITY AND REISSUE		1501	1,330	2501	665	Utility issue fee (or reissue)	
		Fee from		1502	480	2502	240	Design issue fee	
	Ext	tra Claims below Fee Paid	<u> </u>	1503	640	2503	320	Plant issue fee	
Total Claims	-** =	X ⊨ I		1460	130	1460	130	Petitions to the Commissioner	
Independent Claims	<u> </u>		=	1807	50	1807	50	Petitions related to provisional applications	
Multiple			룩	1806	180	1806	180	Submission of Information Disclosure Stmt	180
Dependent Large Entity	Small Entity			8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description		1809	770	2809	385	Filing a submission after final rejection	
1202 18	2202 9			1,,,,	770	2042	205	(37 CFR § 1.129(a))	
1201 86	2201 43			1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1203 290 1204 86	2203 145 2204 43	** Reissue independent claims	oaid	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18	2205	over original patent  ** Reissue claims in excess of 2	0	1802	900	1802	900	Request for expedited examination of a design application	
	l	and over original patent  BTOTAL (2) (\$)	٦	Other fe	e (specify)	I )			
**or number pre		ter; For Reissues, see above			•		Fee Paid	SUBTOTAL (3) (\$)180	
L				L	•			(0).00	

SUBMITTED BY				Co	mplete (if applicable)
Name (Print/Type)	Scott L. Aysenhus	Registration No. (Attorney/Agent)	42,271	Telephone	303-571-4000
Signature	Scott le	new		Date	October 5, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Attorney Docket No.: 015389-002611US Client Reference No.: 018/063C

Commissioner for Patents Mail Stop Amendment P.O. Box 1450 Alexandria, VA 22313-1450

On October 5, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Great R. Vewmaker

Janet L. Newmaker

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Thomas R. Cech et al.

Application No.: 09/432,503

Filed: November 2, 1999

For: INCREASING THE

PROLIFERATIVE CAPACITY OF CELLS USING TELOMERASE REVERSE TRANSCRIPTASE

(AMENDED)

Customer No.: 20350

Commissioner for Patents Mail Stop Amendment P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

•

Applicants enclose herewith a Supplemental Information Disclosure Statement.

The enclosed IDS lists the same documents as cited in the IDS that was mailed on August 19,

Confirmation No.: 1130

Examiner: Jon E. Angell

COMMUNICATION

Art Unit: 1635

2004.

Applicants request that the Examiner disregard the IDS submitted August 19, 2004, as the certification made in that statement was made in error. Applicants instead ask that the Examiner consider the enclosed replacement IDS and provide Applicants a marked off copy

Thomas R. Cech et al.

Application No.: 09/432,503

Page 2

of this IDS in the next communication from the Patent Office. The enclosed IDS authorizes the Patent Office to charge the \$180 IDS fee to Deposit Account No. 20-1430.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at (303) 571-4000.

Respectfully submitted,

Scott L. Ausenhus Reg. No. 42,271

Date: October 5, 2004

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834

Tel: 303-571-4000 Fax: 303-571-4321

SLA/jln 60324994 v1 I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Attorney Docket No.: 015389-002611US Client Reference No.: 018/063C

Commissioner for Patents Mail Stop Amendment P.O. Box 1450 Alexandria, VA 22313-1450

On October 5, 2004

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(AMENDED)

Customer No.: 20350

Confirmation No.: 1130

Examiner: Jon E. Angell

Art Unit: 1635

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37

CFR §1.97 and §1.98

Commissioner for Patents Mail Stop Amendment P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are not enclosed as they were previously submitted with the Information Disclosure Statement dated August 19, 2004.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

10/12/2004 CCHRU1 00000066 201430 09432503

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**PATENT** 

Thomas R. Cech et al.

Page 2

Application No.: 09/432,503

Page 2

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses

all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or

Notice of Allowance.

The Commissioner is hereby authorized to deduct the \$180 fee for submission of

an Information Disclosure Statement after issuance of an Office Action from the undersigned's

Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any

overpayment to, the above-noted Deposit Account.

Respectfully submitted,

2011 rule

Scott L. Ausenhus Reg. No. 42,271

Date: October 5, 2004

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834

Tel: 303-571-4000

Fax: 303-571-4321

SLA/jln

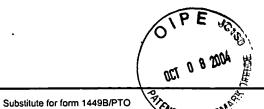
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	_	18	SCLOSÜRE	Application Number	09/432,503
INFO	ORMATION	l DI	SCLOSURE	Filing Date	November 2, 1999
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Cech, Thomas R.
				Art Unit	1635
	(use as many sh	eets a	s necessary)	Examiner Name	Jon E. Angell
Sheet	1	of	2	Attorney Docket Number	015389-002611US

	U.S. PATENT DOCUMENTS+								
		Document Number							
Examiner Initials*	Cite No.1	Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Fore	eign Patent Doo	cument	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant		
Initials*	No.¹	Country Code <sup>3</sup>	Number⁴	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T <sup>6</sup>	

Examiner Signature	Date Considered	



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

DI APPLICANI

Complete if Known				
Application Number 09/432,503				
Filing Date	November 2, 1999			
First Named Inventor	Cech, Thomas R.			
Art Unit	1635			
Examiner Name	Jon E. Angell			
Attorney Docket Number	015389-002611US			

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials * Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ite (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.								
	C1	CAMPBELL, KEITH & WILMUT, IAN "Totipotency or Multipotentiality of Cultured Cells: Applications and Progress" Theriogenology, January 1997, pp. 63-72, Vol. 47, Issue 1, Elsevier Science Inc.						
	C2	GEARHART, JOHN "New Potential for Human Embryonic Stem Cells" <i>Science</i> , November 6, 1998; pp. 1061-1062, Vol. 282, Issue 5391.						
	СЗ	THOMSON, JAMES A. et al. "Embryonic Stem Cell Lines Derived from Human Blastocysts" <i>Science</i> , November 6, 1998; pp. 1145-1147, Vol. 282, Issue 5391.						

60286303 v2

Sheet

Examiner	Date	
Signature	Considered	